## SEQUENCE LISTING

<110>	Bandaru, Rajasekhar Meyers, Rachel A.
<120>	55562 AND 21617, NOVEL HUMAN PROTEINS AND METHODS OF USE THEREOF

<130> 10448-123001

<150> 60/256,249

<151> 2000-12-18

<150> 60/256,405

<151> 2000-12-18

<160> 10

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 3624

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (339)...(1361)

<400> 1

tagtctaact	cgcggctgtc	accgccactg	cagcggagcc	ggccggccgg	gcgctgcggg	60
acgggcgggc	ggctgccggc	aggaggcgcc	gagccgggtg	actgccgcgg	cgggcacagt	120
ccggggccac	agcgccgagc	ccgggcggga	gtggccccgc	gcaggcaggg	agcggcgccg	180
cgcactccaa	cccggcgggc	acctcggggg	cgggcgcggg	gcgcagcctt	ctcgtcccgg	240
cctctgtgac	aagcgccccg	gagccgggag	cccgattgcc	gggctcgggg	tgggcgcgga	300
cgcaggcact	gggctcgtgc	ggggccccgg	gcgtcgcg at	tg aac atc q	gtg gtg gag	356
			M€	et Asn Ile V	Val Val Glu	
			-	1	5	

ttc	ttc	gtg	gtc	act	ttc	aaa	gtg	ctc	tgg	gcg	ttc	gtg	ctg	gcc	gcg	404
Phe	Phe	Val	Val	Thr	Phe	Lys	Val	Leu	Trp	Ala	Phe	Val	Leu	Ala	Ala	
			10					1.5					2.0			

gcg Ala	_		_	 	_	 -	_	 	 _	 452
		25		,	30	-		35		

tgc Cys										5	00
-	40		-	45	-	-	50				

~~~	++~	~~~	~~~	~~+	~~~	~~~	a+ ~	~+ ~	~+~	~+~	+~~	~~~	2+2			E 10
gag	CEC	gcc	cgg	egi	cgg	geg	ctg	cug	gtg	ctg	Lgg	gac	alc	aac	acg	548
Glu	Phe	Ala	Arg	Arg	Arg	Ala	Leu	Leu	Val	Leu	Trp	Asp	Ile	Asn	Thr	
55					60					65					70	

	agc Ser															596
	gag Glu															644
	att Ile															692
	ggg Gly 120															740
	gtt Val															788
	cat His															836
	gtc Val															884
	atg Met															932
	gga Gly 200															980
	gga Gly															1028
	gaa Glu															1076
	act Thr															1124
	ctg Leu															1172
	atc Ile 280															1220
atc	gtg	acc	ttc	atg	aag	agc	atc	cta	cca	ttt	gaa	gca	gtt	gtg	tgc	1268

```
Ile Val Thr Phe Met Lys Ser Ile Leu Pro Phe Glu Ala Val Cys
295
                    300
                                        305
atg tat cgg ttc cta gga gcg gac aag tgt atg tac ccc ttt att qct
                                                                     1316
Met Tyr Arg Phe Leu Gly Ala Asp Lys Cys Met Tyr Pro Phe Ile Ala
caa aga aag caa gcc aca aac aat aat gaa gca aaa aat gga atc
                                                                     1361
Gln Arg Lys Gln Ala Thr Asn Asn Glu Ala Lys Asn Gly Ile
            330
                                335
taagaatctt tttgtatgga atattacttc tatcagaaga tgatcaagat gtttcagtcc
                                                                    1421
agtgcacatc agcattgctg acattttatg gattctaaac ttgtgttgtt tctttttaa
                                                                    1481
atcaactttt taaaaaaata aagtgtaaat taaccgacta gagtacttgg aaaatgtgat
                                                                    1541
cagtacaagt gaacttaggt tgttgccaac agggtccttt taggcagaac ccagaaacca
                                                                    1601
gtcaaatctg tagagaagca gtgtgacatc ttcaggttac cattatttt taatqaqcaq
                                                                    1661
gaagtctaga aatgataact agactgtatg tttcatgtgt gtgatttttc agaattccca
                                                                    1721
gagtttactc attcttgtta ttaaactcta gccagttgac atcttcgcaa tttcaaqgac
                                                                    1781
tgatagtgct gtattttctc acgttttcta agtttccgtt ttgcaaggcc taggtgactt
                                                                    1841
tttcatggtg tttgtatgtt tagctctttt gaaaaggaat tttgaaatct ccatcaactg
                                                                    1901
aagtaaatga tgtctgagtg ttacagtwaa ggtgaccaag tctctttctt aaagtcacaa
                                                                    1961
tgactaaagt attagttgaa tttttttttt tttttttgat ggagtctcgc tctgtcacca
                                                                    2021
ggctggagtg cagtagcaca atcacggctc actgcaatct ctgcctcccr gtttcaagtg
                                                                    2081
attetgetgt eteageetee caagtagetg ggaetacagg catgegeeae caegeecage
                                                                    2141
taatttttgt atttttagta gagacggggt ttcaccatgt tggtcaggat ggtctccatc
                                                                    2201
tettgacatt gtgatecace tgeeteggee teecaaagtg etgggattae aggeatgage
                                                                    2261
cactgcaccc agccttgaat ttttaatttt atctctgata tacttcatta agtgtctgga
                                                                    2321
gacctaatta tootaaaaga toatacattt totacctatg aattitigotg catacagaaa
                                                                    2381
gtgccctttc ctcaggaagt tgctgtgttt catttctttg gatggactct tatctagaat
                                                                    2441
acatagcagc tctgcaaaga aacagttttt aaaaatggga acttctacat tgaaaagtcc
                                                                    2501
ccatttttgt gccaactatg attagtgaga ggaagaaatc ttattctatg gcatatgtat
                                                                    2561
ggaagggtgt aaagattctt ttgaaaggtt tattcacatt gtaqaacagc aaatgacatt
                                                                    2621
tttacagtat ttttttgtaa agcaaactat tttgtgcctt gaatttggta tatgtgtatt
                                                                    2681
agtgaaacat tgtaaaggtg aacttctacc tctgtatcta aatgtatacc atccacttgt
                                                                    2741
aaatgactat aaactattat gtgattgctt ttttttttag aatgtcttgt ttaaatagtg
                                                                    2801
gccaatgttt aaggctgtta aaataagcca acttttacta attggggagt tttataaatg
                                                                    2861
actgattaaa tttaaagaat taacttacat gcaattgtgt gattattagt tatcaqcaqt
                                                                    2921
gttgtaagga aaattattgt gttttttttt atgatcatta tcccacttta ggtaaagaaa
                                                                    2981
aatattggaa tggaatagtg ttgggaaaca qacattaaca acctagggtg cctgcactca
                                                                    3041
aataqccgat gttactgtcc ctagattaga gacttgatta agggcttgtt tgtaccaaaa
                                                                    3101
gtggggaaac aatgccatga cctgtgtttt agtttggctg caccacagat caaatctgca
                                                                    3161
ctgtgtctac atataggaaa ggtcctggtg tgtgctaatg ttcccaatgc aggacttgag
                                                                    3221
gaagagetet gttatatgtt tecatttete tttateaaag ataaceaaac ettatggeee
                                                                    3281
ttataacaat ggaggcactg gctgcctctt aattttcaat catggaccta aagaagtact
                                                                    3341
ctgaagggtc tcaacaatgc caggtgggga cagatatact cagagattat ccaggtctgc
                                                                    3401
ctcccagcga gcctggagta caccagaccc tcctagagaa atctgttata atttaacaac
                                                                    3461
ccacttatcc accttaaaac tgaggaaagt cgtctttaca tctaatttta ttcttgtgtg
                                                                    3521
ttataactta aacctatttc tatttttgtt tgttattgcc cttataaggg tgtccatctc
                                                                    3581
caagttcaat aaactaattc atttaaaaaa aaaaaaaaa aaa
                                                                    3624
<210> 2
<211> 341
<212> PRT
<213> Homo sapiens
<400> 2
```

Met Asn Ile Val Val Glu Phe Phe Val Val Thr Phe Lys Val Leu Trp

```
10
Ala Phe Val Leu Ala Ala Ala Arg Trp Leu Val Arg Pro Lys Glu Lys
                                 25
Ser Val Ala Gly Gln Val Cys Leu Ile Thr Gly Ala Gly Ser Gly Leu
                             40
Gly Arg Leu Phe Ala Leu Glu Phe Ala Arg Arg Arg Ala Leu Leu Val
                         55
Leu Trp Asp Ile Asn Thr Gln Ser Asn Glu Glu Thr Ala Gly Met Val
                     70
Arg His Ile Tyr Arg Asp Leu Glu Ala Ala Asp Ala Ala Leu Gln
                                     90
Ala Gly Asn Gly Glu Glu Ile Leu Pro His Cys Asn Leu Gln Val
            100
                                105
Phe Thr Tyr Thr Cys Asp Val Gly Lys Arg Glu Asn Val Tyr Leu Thr
                            120
                                                 125
Ala Glu Arg Val Arg Lys Glu Val Gly Glu Val Ser Val Leu Val Asn
                        135
                                             140
Asn Ala Gly Val Val Ser Gly His His Leu Leu Glu Cys Pro Asp Glu
                    150
                                        155
Leu Ile Glu Arg Thr Met Met Val Asn Cys His Ala His Phe Trp Thr
                                     170
Thr Lys Ala Phe Leu Pro Thr Met Leu Glu Ile Asn His Gly His Ile
            180
                                185
Val Thr Val Ala Ser Ser Leu Gly Leu Phe Ser Thr Ala Gly Val Glu
        195
                            200
                                                 205
Asp Tyr Cys Ala Ser Lys Phe Gly Val Val Gly Phe His Glu Ser Leu
    210
                        215
Ser His Glu Leu Lys Ala Ala Glu Lys Asp Gly Ile Lys Thr Thr Leu
                    230
                                        235
Val Cys Pro Tyr Leu Val Asp Thr Gly Met Phe Arg Gly Cys Arg Ile
                245
                                    250
Arg Lys Glu Ile Glu Pro Phe Leu Pro Pro Leu Lys Pro Asp Tyr Cys
            260
                                265
Val Lys Gln Ala Met Lys Ala Ile Leu Thr Asp Gln Pro Met Ile Cys
                            280
Thr Pro Arg Leu Met Tyr Ile Val Thr Phe Met Lys Ser Ile Leu Pro
                        295
Phe Glu Ala Val Val Cys Met Tyr Arg Phe Leu Gly Ala Asp Lys Cys
                    310
                                        315
Met Tyr Pro Phe Ile Ala Gln Arg Lys Gln Ala Thr Asn Asn Asn Glu
                325
                                    330
Ala Lys Asn Gly Ile
            340
<210> 3
<211> 1026
<212> DNA
<213> Homo sapiens
<400> 3
atgaacatcg tggtggagtt cttcgtggtc actttcaaag tgctctgggc gttcgtgctg
                                                                        60
gccgcggcgc gctggctggt gcggcccaag gagaagagcg tggcgggcca ggtgtgcctc
                                                                       120
atcaccggcg ccggcagcgg cctgggccgc ctcttcgcgc tggagttcgc ccggcgtcgg
                                                                       180
gcgctgctgg tgctgtggga catcaacacg caaagcaacg aggagacggc tggcatggtg
                                                                       240
egecacatet acegegacet ggaggeggee gacgeegetg egetgeaage tgggaatggt
                                                                       300
gaggaagaaa ttctgcccca ctgtaacttg caggttttta cctacacctg tgacgtgggg
                                                                       360
aagagggaga acgtctacct gacggctgaa agagtccgca aggaggttgg cgaagtctca
```

420

gtcctggtca ataatgctgg tgtggtctct gggcatcacc ttctggaatg tcctgatgag ctcattgaga gaaccatgat ggtcaattgc catgcacact tctggaccac taaggctttt cttcctacga tgctggagat taatcatggt catattgtga cagttgcaag ttccttggga ttgttcagta ctgccggagt tgaggattac tgtgccagta aatttggagt tgtggggtttt catgaatccc tgagccatga actaaaggct gctgaaaagg atggaattaa aacaaccttg gtttgccctt atcttgtaga cactggcatg ttcagaggct gccgaatcag gaaagaaatt gagccttttc tgccacctct gaagcctgat tactgtgtga agcaggccat gaaggccatc ctcactgacc agcccatgat ctgcactccc cgcctcatgt acatcgtgac cttcatgaag agttgtgtgc atgtaccct ttattgctca aagaaagcaa gccacaaaca ataatgaagc aaaaaatgga atctaa	480 540 600 660 720 780 840 900 960 1020 1026
<210> 4 <211> 1327 <212> DNA <213> Homo sapiens	
<220> <221> CDS <222> (367)(1188)	
<pre>&lt;400&gt; 4 cctgctgcaa tggcttacgg gagccaatgt gacgggatca gggcagaccc atttagggtt tcgtaaccgg ccaattcagt acgcaatagg gaaaatcaat taggatctgc agagggttcc cggatacacc ttgcgaagaa tgccgcactc tccgccactc attccccact caccggcacc cgctaaacct tcagcctgaa attttcctcc gaaggaagca gagcagagga agaactacca agtgctacac tcaaagcctg ccgtcgcagt gagcgcgacc tccaaactga ggcatttttg ttccggcgaa atccctccca ctcaggaaag tccctagaaa gagagcgcag gcgcctgggg tatcac atg acc act tcc cgg aag cgc age aga ccc gct caa ctt cat</pre>	60 120 180 240 300 360 408
cct ggg ttg agg cgg agg aga act tcc aga att atg gcg aag tcc ggg Pro Gly Leu Arg Arg Arg Thr Ser Arg Ile Met Ala Lys Ser Gly 15 20 25 30	456
ctg agg cag gac ccg cag agc aca gct gca gcc act gtg cta aag cgg Leu Arg Gln Asp Pro Gln Ser Thr Ala Ala Ala Thr Val Leu Lys Arg 35 40 45	504
gca gta gaa cta gat tcg gag tcg cgg tat ccg cag gct ctg gtg tgt Ala Val Glu Leu Asp Ser Glu Ser Arg Tyr Pro Gln Ala Leu Val Cys 50 55 60	552
tac caa gag ggg att gat ctg ctc ctg cag gtt ctg aaa ggt acc aaa Tyr Gln Glu Gly Ile Asp Leu Leu Leu Gln Val Leu Lys Gly Thr Lys 65 70 75	600
gat aat act aag aga tgt aat ctc aga gaa aaa att tcc aaa tac atg Asp Asn Thr Lys Arg Cys Asn Leu Arg Glu Lys Ile Ser Lys Tyr Met 80 85 90	648
gac aga gcg gaa aac ata aag aag tac ttg gac caa gaa aaa gaa gat Asp Arg Ala Glu Asn Ile Lys Lys Tyr Leu Asp Gln Glu Lys Glu Asp 95	696
gga aaa tat cac aag caa att aaa ata gaa gag aat gca aca ggt ttc	744

Gly Lys Tyr His Lys Gln Ile Lys Ile Glu Glu Asn Ala Thr Gly Phe 115 120 125	
agt tat gag tca ctt ttt cgc gaa tac ctt aat gag aca gtt aca gaa Ser Tyr Glu Ser Leu Phe Arg Glu Tyr Leu Asn Glu Thr Val Thr Glu 130 135 140	792
gtt tgg ata gaa gat cct tat att aga cat act cat cag ctg tat aac Val Trp Ile Glu Asp Pro Tyr Ile Arg His Thr His Gln Leu Tyr Asn 145 150 155	840
ttt ctt cga ttt tgt gag atg ctt att aag aga cca tgt aaa gta aaa Phe Leu Arg Phe Cys Glu Met Leu Ile Lys Arg Pro Cys Lys Val Lys 160 165 170	888
act att cac ctt ctc acc tct ctg gat gaa ggc att gag caa gtg cag Thr Ile His Leu Leu Thr Ser Leu Asp Glu Gly Ile Glu Gln Val Gln 175 180 185 190	936
caa agt aga ggc ctg caa gaa ata gaa gag tca ctc agg agt cac gga Gln Ser Arg Gly Leu Gln Glu Ile Glu Glu Ser Leu Arg Ser His Gly 195 200 205	984
gtg ctg ttg gaa gtt caa tac tct tct tca ata cat gac cga gaa att Val Leu Leu Glu Val Gln Tyr Ser Ser Ser Ile His Asp Arg Glu Ile 210 215 220	1032
agg ttc aac aat gga tgg atg att aag att gga agg gga ctt gat tat Arg Phe Asn Asn Gly Trp Met Ile Lys Ile Gly Arg Gly Leu Asp Tyr 225 230 235	1080
ttt aag aaa cca cag agt cgt ttt tcc ctt gga tat tgt gat ttt gat Phe Lys Lys Pro Gln Ser Arg Phe Ser Leu Gly Tyr Cys Asp Phe Asp 240 245 250	1128
tta aga cca tgt cat gaa aca aca gta gac att ttt cat aag aag cat Leu Arg Pro Cys His Glu Thr Thr Val Asp Ile Phe His Lys Lys His 255 260 265 270	1176
aca aaa aat ata tgatgggtgg tagcctaatt tgtattatgt ctactttaag Thr Lys Asn Ile	1228
tgaatattgg atttttttta aaagatcact tttataatgt atgaatttaa caataaactt ttatatttct actaaaaaaa aaaaaaaaa aaaaaaaa	1288 1327
<210> 5 <211> 274 <212> PRT <213> Homo sapiens	
<400> 5 Met Thr Thr Ser Arg Lys Arg Ser Arg Pro Ala Gln Leu His Pro Gly 1 10 15	
Leu Arg Arg Arg Thr Ser Arg Ile Met Ala Lys Ser Gly Leu Arg	
20 25 30 Gln Asp Pro Gln Ser Thr Ala Ala Ala Thr Val Leu Lys Arg Ala Val	

<213> Artificial Sequence

```
35
 Glu Leu Asp Ser Glu Ser Arg Tyr Pro Gln Ala Leu Val Cys Tyr Gln
                         55
Glu Gly Ile Asp Leu Leu Leu Gln Val Leu Lys Gly Thr Lys Asp Asn
                     70
                                         75
Thr Lys Arg Cys Asn Leu Arg Glu Lys Ile Ser Lys Tyr Met Asp Arg
Ala Glu Asn Ile Lys Lys Tyr Leu Asp Gln Glu Lys Glu Asp Gly Lys
                                 105
                                                     110
Tyr His Lys Gln Ile Lys Ile Glu Glu Asn Ala Thr Gly Phe Ser Tyr
                             120
Glu Ser Leu Phe Arg Glu Tyr Leu Asn Glu Thr Val Thr Glu Val Trp
                         135
                                             140
Ile Glu Asp Pro Tyr Ile Arg His Thr His Gln Leu Tyr Asn Phe Leu
                     150
                                         155
Arg Phe Cys Glu Met Leu Ile Lys Arg Pro Cys Lys Val Lys Thr Ile
                 165
                                     170
His Leu Leu Thr Ser Leu Asp Glu Gly Ile Glu Gln Val Gln Gln Ser
             180
                                 185
Arg Gly Leu Gln Glu Ile Glu Glu Ser Leu Arg Ser His Gly Val Leu
                             200
Leu Glu Val Gln Tyr Ser Ser Ser Ile His Asp Arg Glu Ile Arg Phe
                                             220
Asn Asn Gly Trp Met Ile Lys Ile Gly Arg Gly Leu Asp Tyr Phe Lys
                     230
                                         235
Lys Pro Gln Ser Arg Phe Ser Leu Gly Tyr Cys Asp Phe Asp Leu Arg
                 245
                                     250
Pro Cys His Glu Thr Thr Val Asp Ile Phe His Lys Lys His Thr Lys
                                 265
Asn Ile
<210> 6
<211> 825
<212> DNA
<213> Homo sapiens
<400> 6
atgaccactt cccggaagcg cagcagaccc gctcaacttc atcctgggtt gaggcggagg
                                                                        60
agaacttcca gaattatggc gaagtccggg ctgaggcagg acccgcagag cacagctgca
                                                                        120
gccactgtgc taaagcgggc agtagaacta gattcggagt cgcggtatcc gcaggctctg
                                                                        180
gtgtgttacc aagaggggat tgatctgctc ctgcaggttc tgaaaggtac caaagataat
                                                                        240
actaagagat gtaatctcag agaaaaaatt tccaaataca tggacagagc ggaaaacata
                                                                       300
aagaagtact tggaccaaga aaaagaagat ggaaaatatc acaagcaaat taaaatagaa
                                                                       360
gagaatgcaa caggtttcag ttatgagtca ctttttcgcg aataccttaa tgagacagtt
                                                                       420
acagaagttt ggatagaaga toottatatt agacatactc atcagotgta taactttott
                                                                       480
cgattttgtg agatgcttat taagagacca tgtaaagtaa aaactattca ccttctcacc
                                                                       540
tctctggatg aaggcattga gcaagtgcag caaagtagag gcctgcaaga aatagaagag
                                                                       600
tcactcagga gtcacggagt gctgttggaa gttcaatact cttcttcaat acatgaccga
                                                                       660
gaaattaggt tcaacaatgg atggatgatt aagattggaa ggggacttga ttattttaag
                                                                       720
aaaccacaga gtcgtttttc ccttggatat tgtgattttg atttaagacc atgtcatgaa
                                                                       780
acaacagtag acatttttca taagaagcat acaaaaaata tatga
                                                                       825
<210> 7
<211> 206
<212> PRT
```

```
<220>
<223> Consensus sequence
<400> 7
Lys Val Ala Leu Val Thr Gly Ala Ser Ser Gly Ile Gly Leu Ala Ile
Ala Lys Arg Leu Ala Lys Glu Gly Ala Lys Val Val Ala Asp Arg
Asn Glu Glu Lys Leu Glu Lys Gly Ala Val Ala Lys Glu Leu Lys Glu
Leu Gly Gly Asn Asp Lys Asp Arg Ala Leu Ala Ile Gln Leu Asp Val
                        55
Thr Asp Glu Glu Ser Val Lys Ala Ala Val Glu Gln Ala Val Glu Arg
                                        75
Leu Gly Arg Gly Leu Asp Val Leu Val Asn Asn Ala Gly Gly Ile Ile
                85
                                    90
Leu Leu Arg Pro Gly Pro Phe Ala Glu Leu Ser Arg Thr Met Glu Glu
            100
                                105
Asp Trp Asp Arg Val Ile Asp Val Asn Leu Thr Gly Val Phe Leu Leu
                            120
Thr Arg Ala Val Leu Pro Leu Met Ala Met Lys Lys Arg Gly Gly
                        135
Arg Ile Val Asn Ile Ser Ser Val Ala Gly Arg Lys Glu Gly Gly Leu
                    150
                                        155
Val Gly Val Pro Gly Gly Ser Ala Tyr Ser Ala Ser Lys Ala Ala Val
                165
                                    170
Ile Gly Leu Thr Arg Ser Leu Ala Leu Glu Leu Ala Pro His Gly Gly
                                185
Ile Arg Val Asn Ala Val Ala Pro Gly Gly Val Asp Thr Asp
                            200
<210> 8
<211> 34
<212> PRT
<213> Artificial Sequence
<220>
<223> Consensus sequence
<400> 8
Ala Glu Ala Tyr Tyr Asn Leu Gly Asn Ala Tyr Leu Lys Leu Gly Lys
                                    10
Tyr Asp Glu Ala Ile Glu Asp Tyr Glu Lys Ala Leu Glu Leu Asp Pro
Asn Asn
<210> 9
<211> 228
<212> PRT
<213> Artificial Sequence
<223> Consensus sequence
<400> 9
```

```
Ala Lys Glu Leu Leu Ile Arg Ala Val Glu Cys Asp Gln Val Gly Arg
                                     10
Ile Leu Glu Ala Gln Thr Leu Tyr Thr Glu Gly Ile Gly Gln Leu Met
                                 25
Gln Phe Val Asn Gly Glu Pro Asp Glu Ala Lys Arg Lys Gly Phe Leu
                            40
Thr Arg Ile Lys Glu Tyr Met Asp Arg Ala Asp Ala Ile Lys Ala Arg
Ile Asn Gly Lys Leu Met Leu Gly Glu Val Val Ser His Val Ser Ile
Asp Glu Asn Asp Thr Gly Phe Asp Tyr Asp Gln Leu Phe Gly Lys Tyr
                85
Met Asp Asp Lys Thr Val Glu Ile Met Leu Glu Glu Pro Tyr Met Thr
           100
                                 105
Gln Asn Tyr Gln Tyr Gln Asn Leu Ile Arg Phe Leu Glu Leu Ala Ala
                            120
                                                 125
Thr Asn Cys Pro Asn Leu Lys Tyr Phe Arg Leu Ile Thr Lys Glu Tyr
    130
                        135
Lys Asp Ala Lys Asn Pro Asp Gln Gln Glu Thr Asn Leu Gly Gln Ile
                    150
                                         155
Lys Gly Asp Leu Glu Arg Arg Asn Val Thr Val Tyr Ile Lys Tyr Glu
                                    170
Asp Ser Leu His Asp Arg Lys Ile Tyr Leu Ser Asn Gly Tyr Ile Ile
                                185
Lys Ile Gly Arg Gly Leu His Phe Tyr Lys Pro Ala Asn Pro Met Tyr
                            200
Ser Ile Gly Leu Val Asn Tyr Lys Phe Arg Lys Cys Leu Gln Thr Asp
                        215
Val Asp Ile Trp
225
<210> 10
<211> 59
<212> PRT
<213> Artificial Sequence
<220>
<223> Consensus sequence
<400> 10
Ala Ile Asp Leu Val Gln Lys Ala Ile Asp Glu Asp Lys Ala Gly Gln
                                    10
Tyr Glu Glu Ala Tyr Gln Leu Tyr Gln His Ala Leu Asp Tyr Phe Met
His Ala Leu Lys Tyr Glu Ala Lys Asn Asp Lys Ser Lys Glu Ile Ile
                            40
Arg Ala Lys Cys Thr Glu Tyr Leu Asp Arg Ala
```

55